

10/773,471

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Page 1

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FILE COVERS 1907 - 22 Jan 2002 VOL 136 ISS 4  
 FILE LAST UPDATED: 20 Jan 2002 (20020120/ED)

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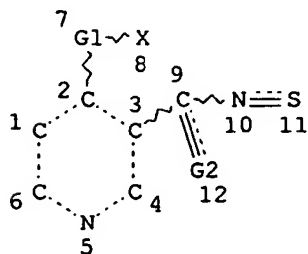
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L1 STR



REP G1=(1-6) C  
 VAR G2=O/S  
 NODE ATTRIBUTES:  
 DEFAULT MLEVEL IS ATOM  
 DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:  
 RING(S) ARE ISOLATED OR EMBEDDED

Searched by Edward Hart 305-9203

NUMBER OF NODES IS 12

STEREO ATTRIBUTES: NONE

L3 67 SEA FILE=REGISTRY SSS FUL L1  
 L6 2 SEA FILE=CAPLUS ABB=ON PLU=ON L3

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L6 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 2001:713312 CAPLUS

DOCUMENT NUMBER: 135:272885

TITLE: Preparation of pyridinyl acylsulfimides as insecticides, acaricides, and nematocides

INVENTOR(S): Kornuta, Pavel Petrovich; Shermolovich, Yuriy Grigorievich; Doeller, Uwe; Ort, Oswald; Schaper, Wolfgang; Jans, Daniela; Sanft, Ulrich; Thoenessen, Maria-Theresia; Beckmann, Marion; Waibel, Jutta Maria; Pazenok, Sergiy

PATENT ASSIGNEE(S): Aventis Cropscience G.m.b.H., Germany; Kornuta, Nataliya Olexandrivna

SOURCE: PCT Int. Appl., 119 pp.

CODEN: PIXXD2

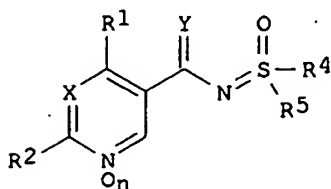
DOCUMENT TYPE: Patent

LANGUAGE: German

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001070692	A2	20010927	WO 2001-EP3083	20010317
W: AE, AG, AL, AM, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CN, CO, CR, CU, CZ, DM, DZ, EE, GD, GE, HR, HU, ID, IL, IN, IS, JP, KG, KP, KR, KZ, LC, LK, LR, LT, LV, MA, MD, MG, MK, MN, MX, NO, NZ, PL, RO, RU, SG, SI, SK, TJ, TM, TT, UA, US, UZ, VN, YU, ZA, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
DE 10014006	A1	20010927	DE 2000-10014006	20000322
PRIORITY APPLN. INFO.:			DE 2000-10014006 A	20000322
			DE 2000-10057911 A	20001121
OTHER SOURCE(S):			MARPAT 135:272885	
GI				



I

AB Title compds. [I; X = CH, N; Y = O, S; m, n = 0, 1; R1 = haloalkyl; R2, R3 = H, halo, (O-, S-, N-interrupted) (substituted) alkyl; R4, R5 = R6, CWR7, C(:NOR7)R7, C(:NNR72)R7, C(:W)OR7, etc.; R6 = alkyl alkenyl, alkynyl, cycloalkyl, cycloalkenyl, etc.; R7 = H, R6; W = O, S; R4R5 = (substituted) heterocyclyl], were prep'd. Thus, N-(2,4,6-trimethylbenzenesulfonyl)methyl thien-3-ylsulfimide and 4-trifluoromethylnicotinyl chloride in CH2Cl2 were dropwise treated with Et3N in CH2Cl2 followed by stirring at room temp.

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for 1.5 days to give 81.6% I (R1 = CF3; R2, R3 = H; R4 = Me; R5 = thien-3-yl; X = CH; Y = O; m, n = 0). Tested I gave 90-100% kill of aphids on vicia faba.

IT 326873-12-5P 362724-12-7P 362724-14-9P  
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 362724-19-4P 362724-20-7P 362724-21-8P  
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 362724-70-7P 362724-75-2P 362724-76-3P  
 362724-77-4P 362724-78-5P 362724-79-6P  
 362724-80-9P 362724-81-0P 362724-82-1P

RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)

(prepn. of pyridinyl acylsulfimides as insecticides, acaricides, and nematocides)

IT 362724-10-5P 362724-11-6P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation)

(prepn. of pyridinyl acylsulfimides as insecticides, acaricides, and nematocides)

L6 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 1994:605212 CAPLUS

DOCUMENT NUMBER: 121:205212

TITLE: Preparation of nicotinamides as pesticides

INVENTOR(S): Toki, Tadaaki; Koyanagi, Toru; Morita, Masayuki; Yoneda, Tetsuo; Kagimoto, Chiharu; Okada, Hiroshi

PATENT ASSIGNEE(S): Ishihara Sangyo Kaisha, Ltd., Japan

SOURCE: Eur. Pat. Appl., 39 pp.

CODEN: EPXXDW

DOCUMENT TYPE: Patent

LANGUAGE: English

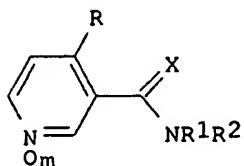
FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

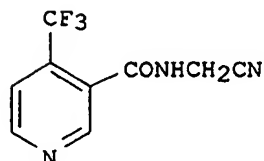
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EP 580374	A1	19940126	EP 1993-305622	19930716
EP 580374	B1	19960103		
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JP 06321903	A2	19941122	JP 1993-214766	19930630
JP 2994182	B2	19991227		
CA 2100011	AA	19940124	CA 1993-2100011	19930707
CA 2100011	C	19980203		
ZA 9305042	A	19940405	ZA 1993-5042	19930713
IL 106340	A1	19990312	IL 1993-106340	19930714
AT 132489	E	19960115	AT 1993-305622	19930716
ES 2085118	T3	19960516	ES 1993-305622	19930716
AU 9342106	A1	19940203	AU 1993-42106	19930721
AU 657056	B2	19950223		
BR 9302960	A	19940216	BR 1993-2960	19930722

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RU 2083562	C1	19970710	RU 1993-50289	19930722
PL 173611	B1	19980430	PL 1993-299769	19930722
CN 1081670	A	19940209	CN 1993-109092	19930723
CN 1044233	B	19990721		
US 5360806	A	19941101	US 1993-95192	19930723
HU 68334	A2	19950628	HU 1993-2144	19930723
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PRIORITY APPLN. INFO.:			JP 1992-238804	A 19920723
			JP 1993-57668	A 19930205
			JP 1993-96428	A 19930317
OTHER SOURCE(S):			MARPAT 121:205212	
GI				



I



II

AB Title compds. [I; R = halomethyl; R1,R2 = H, (cyclo)alkyl, alkenyl, alkylsulfonyl, etc.; NR1R2 = heterocyclyl; X = O or S; m = 0 or 1 ] were prepd. Thus, 4-trifluoromethylpyridine-3-carboxylic acid was amidated by H2NCH2CN to give title compd. II which gave complete control of Myzus persicae larvae on eggplant leaf dipped in an 800ppm soln.

IT 158063-57-1P 158063-60-6P

RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)  
(prepn. of, as pesticide)

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FILE COVERS 1907-1966  
FILE LAST UPDATED: 01 May 1997 (19970501/UP)

This file contains CAS Registry Numbers for easy and accurate substance identification. Title keywords, authors, patent assignees, and patent information, e.g., patent numbers, are now searchable from 1907-1966. TIFF images of CA abstracts printed between 1907-1966 are available in the PAGE display formats.

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STRUCTURE FILE UPDATES: 19 JAN 2002 HIGHEST RN 384793-11-7  
DICTIONARY FILE UPDATES: 19 JAN 2002 HIGHEST RN 384793-11-7

TSCA INFORMATION NOW CURRENT THROUGH July 7, 2001

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Calculated physical property data is now available. See HELP PROPERTIES  
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Registry File, for complete details:  
<http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf>

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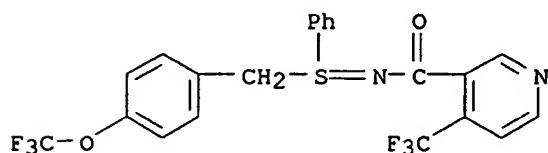
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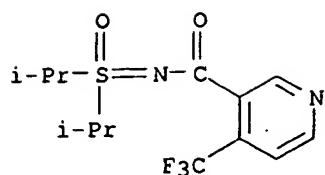
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REFERENCE 1: 135:272885

L3 ANSWER 5 OF 67 REGISTRY COPYRIGHT 2002 ACS  
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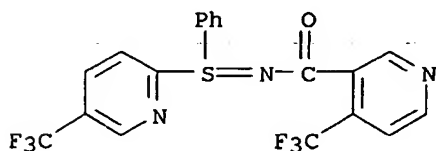


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REFERENCE 1: 135:272885

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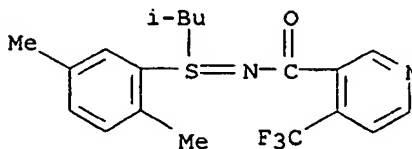


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REFERENCE 1: 135:272885

L3 ANSWER 15 OF 67 REGISTRY COPYRIGHT 2002 ACS  
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LC STN Files: CA, CAPLUS



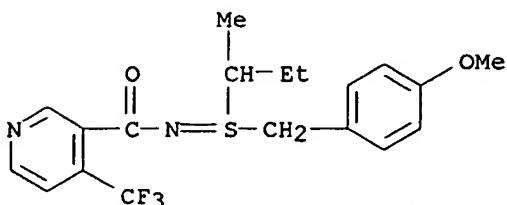
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1 REFERENCES IN FILE CA (1967 TO DATE)  
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REFERENCE 1: 135:272885

L3 ANSWER 20 OF 67 REGISTRY COPYRIGHT 2002 ACS  
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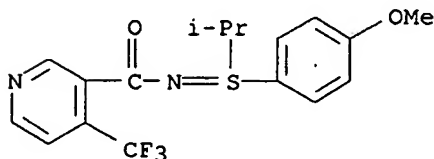


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REFERENCE 1: 135:272885

L3 ANSWER 25 OF 67 REGISTRY COPYRIGHT 2002 ACS  
RN 362724-53-6 REGISTRY  
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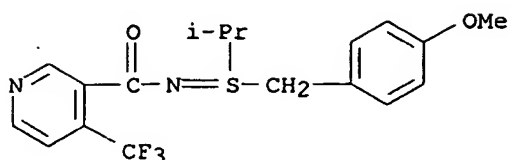
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L3 ANSWER 30 OF 67 REGISTRY COPYRIGHT 2002 ACS  
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Searched by Edward Hart 305-9203



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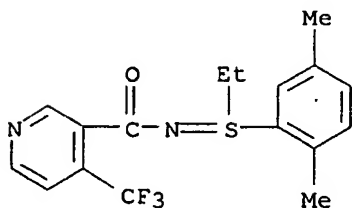


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L3 ANSWER 35 OF 67 REGISTRY COPYRIGHT 2002 ACS  
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 LC STN Files: CA, CAPLUS

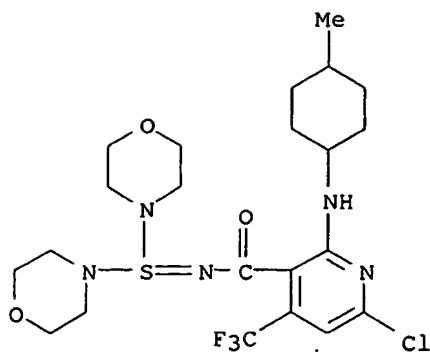


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L3 ANSWER 40 OF 67 REGISTRY COPYRIGHT 2002 ACS  
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 MF C22 H31 Cl F3 N5 O3 S  
 SR CA  
 LC STN Files: CA, CAPLUS



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

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1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 135:272885

L3 ANSWER 45 OF 67 REGISTRY COPYRIGHT 2002 ACS

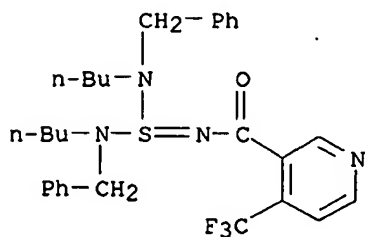
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CN Imidosulfurous diamide, N,N'-dibutyl-N,N'-bis(phenylmethyl)-N''-[[4-(trifluoromethyl)-3-pyridinyl]carbonyl]- (9CI) (CA INDEX NAME)

MF C29 H35 F3 N4 O S

SR CA

LC STN Files: CA, CAPLUS



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REFERENCE 1: 135:272885

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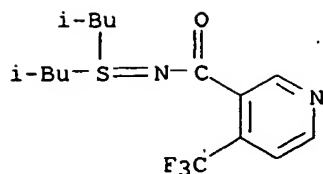
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FS 3D CONCORD

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SR CA

LC STN Files: CA, CAPLUS

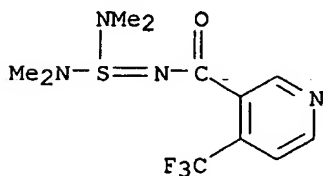


\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

1 REFERENCES IN FILE CA (1967 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 135:272885

L3 ANSWER 55 OF 67 REGISTRY COPYRIGHT 2002 ACS  
RN 362724-21-8 REGISTRY  
CN Imidosulfurous diamide, N,N,N',N'-tetramethyl-N'-[[4-(trifluoromethyl)-3-pyridinyl]carbonyl]- (9CI) (CA INDEX NAME)  
MF C11 H15 F3 N4 O S  
SR CA  
LC STN Files: CA, CAPLUS

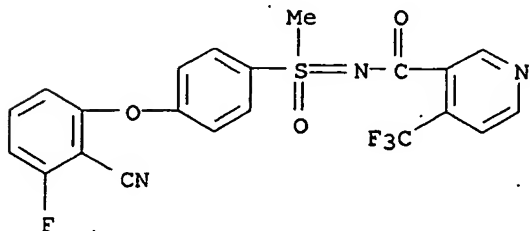


\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

1 REFERENCES IN FILE CA (1967 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 135:272885

L3 ANSWER 60 OF 67 REGISTRY COPYRIGHT 2002 ACS  
RN 362724-15-0 REGISTRY  
CN Benzonitrile, 2-fluoro-6-[4-[S-methyl-N'-[[4-(trifluoromethyl)-3-pyridinyl]carbonyl]sulfonimidoyl]phenoxy]- (9CI) (CA INDEX NAME)  
FS 3D CONCORD  
MF C21 H13 F4 N3 O3 S  
SR CA  
LC STN Files: CA, CAPLUS



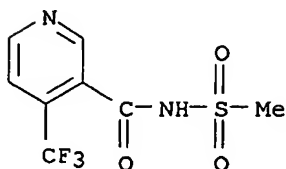
Searched by Edward Hart 305-9203

## \*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

1 REFERENCES IN FILE CA (1967 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 135:272885

L3 ANSWER 67 OF 67 REGISTRY COPYRIGHT 2002 ACS  
RN 158063-57-1 REGISTRY  
CN 3-Pyridinecarboxamide, N-(methylsulfonyl)-4-(trifluoromethyl)- (9CI) (CA  
INDEX NAME)  
FS 3D CONCORD  
MF C8 H7 F3 N2 O3 S  
SR CA  
LC STN Files: CA, CAPLUS, USPATFULL



## \*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

1 REFERENCES IN FILE CA (1967 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 121:205212